## AMENDMENTS TO THE CLAIMS

1	1.	(original) A method of accessing a first file on a disk system on one of a		
2		plurality of computer systems from a program executing on another of the		
3		plurality of computer systems, wherein:		
4		the plurality of computer systems comprises:		
5		a first computer system containing the program communicating through an		
6		API with a first interface system, and		
7		a second computer system containing the disk system and a second		
8		interface system for communicating with the first interface system		
9		and for reading from and writing to the disk system;		
10		the first computer system and the second computer system are heterogeneous		
11		computer systems;		
12		said method comprising:		
13		A) opening a first session from the program via the API through the first interface		
14		system to the second interface system in order to access the first file on the		
15		disk system;		
16		B) blocking the first plurality of records into a first plurality of blocks;		
17	•	C) transmitting the first plurality of blocks over the first session from a first one		
18		of the plurality of computer systems to a second one of the plurality of		
19		computer systems;		
20		D) unblocking the first plurality of blocks into a second plurality of records on		
21		the second one of the plurality of computer systems; and		
22		E) closing the first session after completing the transmitting in step (C).		
1	2.	(original) The method in claim 1 wherein:		
2		the first computer system is the first of the plurality of computer systems;		
3		the second computer system is the second of the plurality of computer systems;		
4		and		
5		the method further comprises:		
6		F) receiving the first plurality of records via the API from the		
7		program; and		
8		G) writing the second plurality of records to the first file.		

1	3.	(original) The method in claim 1 wherein:
2		the first computer system is the second of the plurality of computer systems; and
3		the second computer system is the first of the plurality of computer systems;
4		the method further comprises:
5		F) reading the first plurality of records from the first file; and
.6		G) receiving the second plurality of records in the program via the
7		API.
1	4.	(currently amended) The method in claim 1 wherein:
2		the transmitting in step (C) utilizes a credit based flow control mechanism to flow
3		control the first plurality of blocks; and
4		the credit based flow control mechanism utilizes a block based credit counting
5		each of the first plurality of blocks a as one credit.
1	5.	(original) The method in claim 1 which further comprises:
2		F) opening a second session from the program via the API through the first
3		interface system to the second interface system in order to access a second
4		file on the disk system while the first session is still open;
5		G) blocking a third plurality of records into a second plurality of blocks;
6		H) transmitting the second plurality of blocks over the second session from a
7		third one of the plurality of computer systems to a fourth one of the
8		plurality of computer systems;
9		I) unblocking the second plurality of blocks into a fourth plurality of records on
10		the fourth one of the plurality of computer systems; and
11		J) closing the second session after completing the transmitting closing the
12		second session after completing the transmitting over the second session in
13		step (H).

1	6.	(original)	The method in claim 5 wherein:
2		the first com	puter system is the first one of the plurality of computer systems and
3		the tl	hird one of the plurality of computer systems;
4		the second c	omputer system is the second one of the plurality of computer
5		syste	ems and the fourth one of the plurality of computer systems; and
6		the method f	further comprises:
7		K)	receiving the first plurality of records via the API from the
8			program for transmission over the first session;
9		L)	receiving the third plurality of records via the API from the
10			program for transmission over the second session;
11		M)	writing the second plurality of records to the first file; and
12		N)	writing the fourth plurality of records to the second file.
1	7.	(original)	The method in claim 5 wherein:
2		the first com	nputer system is the first one of the plurality of computer systems and
3		the f	ourth one of the plurality of computer systems;
4		the second of	computer system is the second one of the plurality of computer
5		syste	ems and the third one of the plurality of computer systems; and
6		the method:	further comprises:
7		K)	receiving the first plurality of records via the API from the
8			program for transmission over the first session;
9		L)	writing the second plurality of records to the first file;
10		M)	reading the third plurality of records from the second file; and
11		N)	receiving the fourth plurality of records in the program via the API.
1	8.	(original)	The method in claim 1 wherein:
2		the first con	nputer system is a mainframe computer system; and
3		the second of	computer system is a UNIX based computer system.

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1	9.	(original)	The method in claim 1 wherein:	
2		character data	is stored in the first computer system in a first one of a plurality of	
3		charac	eter formats;	
4		character data	is stored in the second computer system in a second one of a	
5		plurali	ity of character formats; and	
6		the method fu	erther comprises:	
7		F) translating	g at least a portion of each of the records in the first plurality of	
8		blocks	s from one of the plurality of character formats to another one of the	
9		plurali	ity of character formats.	
1	10.	(original)	The method in claim 1 wherein:	
2		integer data is	s stored in the first computer system in a first one of a plurality of	
3		integer formats;		
4		integer data is stored in the second computer system in a second one of a plur		
5		of integer formats; and		
6		the method further comprises:		
7		F) translating	g at least a portion of each of the records in the first plurality of	
8		blocks	s from one of the plurality of integer formats to another one of the	
9		plurali	ity of integer formats.	

1	11.	(original) A data processing system having software stored in a set of		
2		Computer Software Storage Media for accessing a first file on a disk system on		
3		one of a plurality of computer systems from a program executing on another of		
4		the plurality of computer systems, wherein:		
5		the plurality of computer systems comprises:		
6		a first computer system containing the program communicating through an		
7		API with a first interface system, and		
8		a second computer system containing the disk system and a second		
9		interface system for communicating with the first interface system		
10		and for reading from and writing to the disk system;		
11		the first computer system and the second computer system are heterogeneous		
12		computer systems;		
13		said software comprising:		
14		A) a set of computer instructions for opening a first session from the program		
15		through the first interface system to the second interface system in order to		
16		access the first file on the disk system;		
17		B) a set of computer instructions for blocking the first plurality of records into a		
18		first plurality of blocks;		
19		C) a set of computer instructions for transmitting the first plurality of blocks over		
20		the first session from a first one of the plurality of computer systems to a		
21		second one of the plurality of computer systems;		
22		D) a set of computer instructions for unblocking the first plurality of blocks into a		
23		second plurality of records on the second one of the plurality of computer		
24		systems; and		
25		E) a set of computer instructions for closing the first session after completing the		
26		transmitting in set (C).		

1	12.	(original)	The software in claim 11 wherein:
2		the first com	puter system is the first of the plurality of computer systems;
3		the second c	omputer system is the second of the plurality of computer systems;
4		and	
5		the software	further comprises:
6		F)	a set of computer instructions for receiving the first plurality of
7			records via the API from the program; and
8		G)	a set of computer instructions for writing the second plurality of
9			records to the first file.
1	13.	(original)	The software in claim 11 wherein:
2		the first com	puter system is the second of the plurality of computer systems; and
3		the second computer system is the first of the plurality of computer systems	
4		the software further comprises:	
5		F)	a set of computer instructions for reading the first plurality of
6			records from the first file; and
7		G)	a set of computer instructions for receiving the second plurality of
8			records in the program via the API.
1	14.	(currently ar	nended) The software in claim 11 wherein:
2		the transmitt	ing in set (C) utilizes a credit based flow control mechanism to flow
3		contr	ol the first plurality of blocks; and
4		the credit ba	sed flow control mechanism utilizes a block based credit counting
5		each	of the first plurality of blocks a as one credit.

1	15.	(original)	The software in claim 11 which further comprises:		
2		F) a set of c	omputer instructions for opening a second session from the program		
3		via th	ne API through the first interface system to the second interface		
4		system in order to access a second file on the disk system while the first			
5		sessio	on is still open;		
6		G) a set of c	omputer instructions for blocking a third plurality of records into a		
7		secon	nd plurality of blocks;		
8		H) a set of c	omputer instructions for transmitting the second plurality of blocks		
9		over 1	the second session from a third one of the plurality of computer		
10		syste	ms to a fourth one of the plurality of computer systems;		
11		I) a set of c	omputer instructions for unblocking the second plurality of blocks		
12		into a	fourth plurality of records on the fourth one of the plurality of		
13		comp	outer systems; and		
14		J) a set of c	omputer instructions for closing the second session after completing		
15		the tr	ansmitting closing the second session after completing the		
16		transı	mitting over the second session in set (H).		
1	16.	(original)	The software in claim 15 wherein:		
2	10.	`. • · ·	puter system is the first one of the plurality of computer systems and		
3			aird one of the plurality of computer systems;		
4	the second computer system is the second one of the plurality of computer				
5	systems and the fourth one of the plurality of computer systems; and				
6		_	further comprises:		
7		K)	a set of computer instructions for receiving the first plurality of		
8		,	records via the API from the program for transmission over the		
9			first session;		
10		L)	a set of computer instructions for receiving the third plurality of		
11		,	records via the API from the program for transmission over the		
12			second session;		
13		M)	a set of computer instructions for writing the second plurality of		
		,	·		
14			records to the first file; and		
14 15		N)	records to the first file; and a set of computer instructions for writing the fourth plurality of		

1	1 <b>7</b> .	(original)	The software in claim 15 wherein:	
2		the first computer system is the first one of the plurality of computer systems and		
3		the fo	ourth one of the plurality of computer systems;	
4		the second c	omputer system is the second one of the plurality of computer	
5		syste	ms and the third one of the plurality of computer systems; and	
6		the software	further comprises:	
7		K)	a set of computer instructions for receiving the first plurality of	
8			records via the API from the program for transmission over the	
9			first session;	
10		L)	a set of computer instructions for writing the second plurality of	
l 1			records to the first file;	
12		M)	a set of computer instructions for reading the third plurality of	
13			records from the second file; and	
14		N)	a set of computer instructions for receiving the fourth plurality of	
15			records in the program via the API.	
1	18.	(original)	The software in claim 11 wherein:	
2		the first com	puter system is a mainframe computer system; and	
3		the second c	omputer system is a UNIX based computer system.	
1	19.	(currently an	nended) The software in claim 1 11 wherein:	
2		` .	a is stored in the first computer system in a first one of a plurality of	
3			acter formats;	
4		character dat	a is stored in the second computer system in a second one of a	
5			lity of character formats; and	
6		the software	further comprises:	
7			omputer instructions for translating at least a portion of each of the	
8		recor	ds in the first plurality of blocks from one of the plurality of character	
9			ats to another one of the plurality of character formats.	

1	20.	(currently amended) The software in claim 1 11 wherein:
2		integer data is stored in the first computer system in a first one of a plurality of
3		integer formats;
4		integer data is stored in the second computer system in a second one of a plurality
5		of integer formats; and
6		the software further comprises:
7		F) a set of computer instructions for translating at least a portion of each of the
8		records in the first plurality of blocks from one of the plurality of integer
9		formats to another one of the plurality of integer formats.

1	21.	(original) A computer readable Non-Volatile Storage Medium encoded with
2		software for accessing a first file on a disk system on one of a plurality of
3		computer systems from a program executing on another of the plurality of
4		computer systems, wherein:
5		the plurality of computer systems comprises:
6		a first computer system containing the program communicating through an
7		API with a first interface system, and
8		a second computer system containing the disk system and a second
9		interface system for communicating with the first interface system
10		and for reading from and writing to the disk system;
11		the first computer system and the second computer system are heterogeneous
12		computer systems;
13		said software comprising:
14		A) a set of computer instructions for opening a first session from the program
15		through the first interface system to the second interface system in order to
16		access the first file on the disk system;
17		B) a set of computer instructions blocking the first plurality of records into a first
18		plurality of blocks;
19		C) a set of computer instructions for transmitting the first plurality of blocks over
20		the first session from a first one of the plurality of computer systems to a
21		second one of the plurality of computer systems;
22		D) a set of computer instructions for unblocking the first plurality of blocks into a
23		second plurality of records on the second one of the plurality of computer
24		systems; and
25		E) a set of computer instructions for closing the first session after completing the
26		transmitting in set (C).